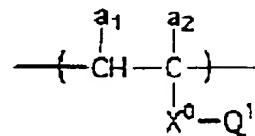


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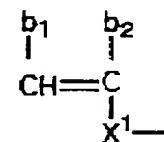
APPLICANT : FUJI PHOTO FILM CO LTD;

INVENTOR : KATO EIICHI;

-COO-, -OCO-, -CH<sub>2</sub>OCO-,  
 CH<sub>2</sub>COOC-, -O-, -SO<sub>2</sub>-, -CO-,  
 -CONR<sup>11</sup>-, -SO<sub>2</sub>NR<sup>11</sup>-,  
 II

INT.CL. : C09D 11/00 B41C 1/10 B41M 5/00 //  
 C08F290/00 C09D155/00

TITLE : OIL-BASE INK FOR INK JET TYPE  
 PLATE PRINTING PLATE



ABSTRACT : PROBLEM TO BE SOLVED: To obtain an oil-base ink having a good printability by using non- water-dispersed resin particles obtained by polymerizing a monofunctional monomer in the presence of a dispersion-stabilizing resin which is a comb copolymer comprising a macromonomer being a soluble part and a monofunctional monomer being an insoluble part and colloidally dispersed in a nonaqueous medium having specified electrical properties.

SOLUTION: The plate printing plate is prepared by forming a plate having an image receiving layer containing zinc oxide and a binder resin and having a contact angle of 50° or above with planographic water on a water-resistant support and forming an image on the layer by an ink jet system by using an ink containing dispersible resin particles in a nonaqueous carrier fluid having an electrical resistance of 10<sup>9</sup>Ω or above and a permittivity of 3.5 or below. The dispersible resin particles are obtained by polymerizing a monofunctional monomer in the presence of colloidal copolymer comprising a main component of formula I (wherein X<sup>0</sup> is formula II or phenylene; R" is hydrogen or the like; Q' is an alkyl or the like; and a<sub>1</sub> and a<sub>2</sub> are each H, a halogen or the like), a macromonomer terminated with formula III (wherein R<sup>1</sup>=X<sup>0</sup>; and b<sub>1</sub> and b<sub>2</sub> are each the same as a<sub>1</sub> or a<sub>2</sub>) and a monofunctional monomer.

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